

UB2E3 Protein, Human (Sf9, His, Strep)

Cat. No.:	HY-P701490
Synonyms:	UBE2E3; Ubiquitin-conjugating enzyme E2 E3; E2 ubiquitin-conjugating enzyme E3; UbcH9; Ubiquitin carrier protein E3; Ubiquitin-conjugating enzyme E2-23 kDa; Ubiquitin-protein ligase E3
Species:	Human
Source:	Sf9 insect cells
Accession:	Q969T4 (S2-T207)
Gene ID:	10477
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	UB2E3, a pivotal component of the ubiquitin-proteasome system, serves as an E2 ubiquitin-conjugating enzyme, playing a crucial role in the attachment of ubiquitin to target proteins. In vitro, UB2E3 demonstrates a versatile catalytic repertoire, facilitating 'Lys-11', 'Lys-48', and 'Lys-63'-linked polyubiquitination, reflecting its involvement in diverse cellular processes. Notably, UB2E3 is implicated in the regulation of transepithelial sodium transport in renal cells, suggesting its significance in ion homeostasis. Additionally, its potential role in cell growth arrest underscores the multifaceted contributions of UB2E3 to cellular regulatory mechanisms, emphasizing its importance in maintaining cellular homeostasis and function.
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Caution: Product has not been fully validated for medical applications. For research use only.

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